

IN THE CLAIMS:

Please amend claims 1, 19, 20, and 24 as follows.

1. (Currently Amended) A communications system, comprising:

a network having a first part and a second part, the first and second parts being connected so that a first user in one of the first and second parts can communicate with a second user in the other of the first and second parts, wherein at least the first user is able to move within the respective part of the communication system;

a gateway for permitting communications between the first and second parts, the gateway comprising a register for storing information associating the first and second users and for storing information relating to the current location of the first user so that information from the second user can be directed to first user, wherein the first user is a mobile terminal which is in communication with a base station which is coupled to a respective network element and information relating to the identity of the network element stored in the register as the current location information of the first user; and

an identifier₁ allocated in the network element which receives communications intended for the first user₁ is stored in the register.

2. (Previously Presented) The communications system as claimed in claim 1, wherein when the location of the first user changes, the gateway further stores information relating to

the new location in the register of the gateway.

3-5. (Cancelled)

6. (Previously Presented) The communications system as claimed in claim 1, wherein a gatekeeper element controls the updating of the register and the handover of the first user between base stations and their respective network elements.

7. (Previously Presented) The communications system as claimed in claim 6, wherein the gatekeeper element is defined by the second user as the initial destination during call setup and the gatekeeper polls a plurality of network elements to determine the location of the first user.

8. (Previously Presented) The communications system as claimed in claim 7, wherein the gateway is transparent during call set-up procedure.

9. (Previously Presented) The communications system as claimed in claim 7, wherein after call set-up, information is forwarded directly from the gateway to the respective network element.

10. (Previously Presented) The communications system as claimed in claim 8 wherein the gateway controls the updating of the register.

11. (Previously Presented) The communications system as claimed in claim 1, wherein the system uses the internet protocol.

12. (Previously Presented) The communications system as claimed in claim 1, wherein the register stores source and destination ports and addresses.

13. (Previously Presented) The communications system as claimed in claim 12, wherein at least one of the source and destination addresses and ports are of the first and second user.

14. (Previously Presented) The communications system as claimed in claim 12, wherein at least one of the source and destination addresses and ports are of an intermediate network element between the gateway and a user.

15. (Previously Presented) The communications system as claimed in claim 1, wherein the gateway checks the source and destination of all information sent between the first and second users in the first and second parts and to permit the information to be passed

through gateway if the source and destination information matches the information stored in the register.

16. (Previously Presented) The communications system as claimed in claim 1, wherein the second user is a fixed user.

17. (Previously Presented) The communications system as claimed in claim 1, wherein the second user operates in accordance with the H.323 protocol.

18. (Previously Presented) The communications system as claimed in claim 1, wherein the first user operates in accordance with the GSM standard.

19. (Currently Amended) A gateway for use in a communications system, comprising:

a network comprising a first part and a second part, the first and second parts being connected so that a first user in one of the first and second parts can communicate with a second user in the other of the first and second parts, wherein at least the first user is able to move within the respective part of the system; and

a gateway being positioned between the first and second parts, the gateway comprising a register for storing information associating the first and second users and for

storing information relating to the current location of the first user so that information from the second user can be directed to first user, wherein the first user is a mobile terminal in communication with a base station coupled to a respective network element, and information relating to the identity of the network element is stored in the register as the current location information of the first user and an identifier₁ allocated in the network element which receives communications intended for the first user₁ is stored in the register.

20. (Currently Amended) A communication system, comprising:

a network comprising a first part and a second part, the first and second parts being connected so that a first user in one of the first and second parts can communicate with a second user in the other of the first and second parts; and

a gateway element positioned between the first and second parts, the gateway comprising a register for storing information associating the first and second users, wherein the gateway checks the source and destination of all information sent between the first and second users in the first and second parts and to permit the information to be passed through the gateway if the source and destination information matches the information stored in the register, wherein the first user comprises a mobile terminal in communication with a base station coupled to a respective network element, and wherein information relating to the identity of the network element is stored in the register as the current location information of the first user and an identifier₁ allocated in the network element which receives

communications intended for the first user, is stored in the register.

21-23. (Cancelled)

24. (Currently Amended) A communications system, comprising:

a subsystem connected to a network, the network having a first part and a second part, the first and second parts being connected so that a first user in one of the first and second parts can communicate with a second user in the other of the first and second parts, wherein at least the first user is able to move within the respective part of the system;

a gateway for permitting communications between the first and second parts, the gateway comprising a register for storing information associating the first and second users and for storing information relating to the current location of the first user so that information from the second user can be directed to first user, wherein the first user is a mobile terminal which is in communication with a base station which is coupled to a respective network element and information relating to the identity of the network element is stored in the register as the current location information of the first user and an identifier, allocated in the network element which receives communications intended for the first user, is stored in the register; and

a gatekeeper element controls the updating of the register and the handover of the first user between base stations and their respective network elements and the gatekeeper element

is defined by the second user as the initial destination during call setup and the gatekeeper is further configured to poll a plurality of network elements to determine the location of the first user.

25. (Previously Presented) A communications system, comprising:

network means for networking, comprising a first part and a second part, the first and second parts being connected so that a first user in one of the first and second parts can communicate with a second user in the other of the first and second parts, wherein at least the first user is able to move within the respective part of the communication system;

permitting means for permitting communications between the first and second parts, the permitting means comprising a register for storing information associating the first and second users and for storing information relating to the current location of the first user so that information from the second user can be directed to first user, wherein the first user is a mobile terminal which is in communication with a base station which is coupled to a respective network element and information relating to the identity of the network element stored in the register as the current location information of the first user; and

receiving means for receiving communications intended for the first user stored in the register.